

RJUNE et al
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March 19, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of performing, for a telecommunications service, relocation of a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), wherein for the service for which the relocation occurs the first radio network controller signals to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service and wherein after the relocation the radio access bearer for the service is linked by the second radio network controller to a same transport channel as was utilized by the first radio network controller for the service prior to the relocation.
2. (Currently Amended) The method of claim 1, further comprising the first radio network controller signaling to the second radio network controller information for linking a radio bearer (RB) utilized for the service with a radio access bearer (RAB) for the service.
3. (ORIGINAL) The method of claim 1, further comprising signaling the information for linking the transport channel utilized for the service with a radio access bearer (RAB) for the service at a time when a user equipment unit (UE) involved in the service is not changing cells.
4. (ORIGINAL) The method of claim 1, wherein the signaling from the first radio network controller to the second radio network controller occurs via a core network.
5. (ORIGINAL) The method of claim 1, wherein the transport channel utilized for the service is a dedicated transport channel (DCH).

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6. (ORIGINAL) The method of claim 1, wherein the first radio network controller signals to the second radio network controller information for linking uplink and downlink transport channels (TrCHs) utilized for the service with a radio access bearer (RAB) for the service.

7. (Cancelled)

8. (Currently Amended) The method of claim 741, further comprising the first radio network controller signaling to the second radio network controller information for linking both uplink and downlink transport channels (TrCHs) utilized for the service with a radio access bearer (RAB) for the service.

9. (Currently Amended) The method of claim 741, further comprising the first radio network controller signaling to the second radio network controller information for linking a radio bearer (RB) utilized for the service with a radio access bearer (RAB) for the service.

10. (Currently Amended) The method of claim 741, further comprising signaling the information for linking the transport channel (TrCH) utilized for the service with a radio access bearer (RAB) for the service at a time when a user equipment unit (UE) involved in the service is not changing cells.

11. (Currently Amended) The method of claim 741, wherein the signaling from the first radio network controller to the second radio network controller occurs via a core network.

12. (Currently Amended) A radio access network which performs a serving radio network controller (SRNC) relocation procedure for a telecommunications service involving a user equipment unit (UE), the serving radio network controller (SRNC) relocation procedure functioning to relocate a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), wherein in accordance with the serving radio network controller (SRNC)

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relocation procedure the first radio network controller signals to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service, and wherein after the relocation the second radio network controller links the radio access bearer of the service to a same transport channel as was utilized by the first radio network controller for the service prior to the relocation.

13. (ORIGINAL) The network of claim 12, wherein the first radio network controller further signals to the second radio network controller information for linking a radio bearer (RB) utilized for the service with a radio access bearer (RAB) for the service.

14. (ORIGINAL) The network of claim 12, wherein the information for linking the transport channel utilized for the service with a radio access bearer (RAB) for the service is signaled at a time when a user equipment unit (UE) involved in the service is not changing cells.

15. (ORIGINAL) The network of claim 12, wherein the signaling from the first radio network controller to the second radio network controller occurs via a core network.

16. (ORIGINAL) The network of claim 12, wherein the transport channel utilized for the service is a dedicated transport channel (DCH).

17. (ORIGINAL) The network of claim 12, wherein the first radio network controller signals to the second radio network controller information for linking uplink and downlink transport channels (TrCHs) utilized for the service with a radio access bearer (RAB) for the service.

18. (Cancelled)

19. (Currently Amended) The network of claim 1844, wherein the first radio network controller signals to the second radio network controller information for linking

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both uplink and downlink transport channels (TrCHs) utilized for the service with a radio access bearer (RAB) for the service.

20. (ORIGINAL) The network of claim 12, wherein the information for linking the transport channel (TrCH) utilized for the service with a radio access bearer (RAB) for the service is signaled at a time when a user equipment unit (UE) involved in the service is not changing cells.

21. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising signaling, to the second radio network controller (RNC), the information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service during a relocation procedure.

22. (Currently Amended) The method of claim 21, A method of performing, for a telecommunications service, relocation of a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), the method comprising signaling, from the first radio network controller to the second radio network controller and during a relocation procedure, information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service by further comprising including a transport channel identifier and a radio access bearer (RAB) identifier in both a RELOCATION REQUIRED MESSAGE and a RELOCATION REQUEST MESSAGE.

23. (Currently Amended) The method of claim 22, further comprising performing the signaling by including a transport channel identifier and a radio access bearer (RAB) in a message sent to a core network.

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24. (Currently Amended) The method of claim 2322, further comprising performing the signaling by including a dedicated transport channel identifier (DCH ID) and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

25. (Currently Amended) The method of claim 2322, further comprising performing the signaling by including uplink and downlink transport channel identifiers (TrCH IDs) and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

26. (Currently Amended) The method of claim 2322, further comprising performing the signaling by including a dedicated transport channel identifier (DCH ID), uplink and downlink transport channel identifiers (TrCH IDs), and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

27. (Currently Amended) The method of claim 2322, further comprising:
transmitting over an Iur interface, prior to the relocation procedure, information for linking uplink and downlink transport channel identifiers (TrCH IDs) and a dedicated transport channel identifier (DCH ID);
signaling, during the relocation procedure, information for linking the uplink and downlink transport channel identifiers (TrCH IDs) with a-the radio access bearer (RAB) identifier.

28. (Currently Amended) The method of claim 27, wherein the step of signaling information for linking the uplink and downlink transport channel identifiers (TrCH IDs) with a radio-access bearer (RAB) identifier involves including the uplink and downlink transport channel identifiers (TrCH IDs) and the a-the radio access bearer (RAB)

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identifier in both ~~a-the~~ RELOCATION REQUIRED MESSAGE and ~~e-the~~ RELOCATION REQUEST MESSAGE.

29. (Currently Amended) The method of claim 22, further comprising:
transmitting over an Iur interface, prior to the relocation procedure, the Iur
interface the uplink and downlink transport channel identifiers (TrCH IDs) which identify
the dedicated transport channel identifier (DCH ID);
signaling, during the relocation procedure, information for linking the uplink and
downlink transport channel identifiers (TrCH IDs) with ~~a-the~~ radio access bearer (RAB)
identifier.

30. (Currently Amended) The method of claim 29, wherein the step of signaling
information for linking the uplink and downlink transport channel identifiers (TrCH IDs)
with ~~a-the~~ radio access bearer (RAB) identifier involves including the uplink and
downlink transport channel identifiers (TrCH IDs) and the ~~e~~ radio access bearer (RAB)
identifier in both ~~a-the~~ RELOCATION REQUIRED MESSAGE and ~~e-the~~ RELOCATION REQUEST MESSAGE.

31. (PREVIOUSLY PRESENTED) The network of claim 12, wherein the first
radio network controller (RNC) signals the information for linking a transport channel
utilized for the service with a radio access bearer (RAB) for the service to the second
radio network controller (RNC), during a relocation procedure.

32. (Currently Amended) ~~The network of claim 31, A radio access network
which performs a serving radio network controller (SRNC) relocation procedure for a
telecommunications service involving a user equipment unit (UE), the serving radio
network controller (SRNC) relocation procedure functioning to relocate a role of a~~

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serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), wherein in accordance with the serving radio network controller (SRNC) relocation procedure the first radio network controller during the relocation procedure signals to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service by including wherein the first radio network controller includes a transport channel identifier and a radio access bearer (RAB) identifier in both a RELOCATION REQUIRED MESSAGE and a RELOCATION REQUEST MESSAGE.

33. (Currently Amended) The network of claim 3312, wherein the first radio network controller includes a transport channel identifier and a radio access bearer (RAB) identifier in a message sent to a core network.

34. (Currently Amended) The network of claim 3332, wherein the first radio network controller includes a dedicated transport channel identifier (DCH ID) and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

35. (Currently Amended) The network of claim 3332, wherein the first radio network controller includes uplink and downlink transport channel identifiers (TrCH IDs) and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

36. (Currently Amended) The network of claim 3332, wherein the first radio network controller includes a dedicated transport channel identifier (DCH ID), uplink and downlink transport channel identifiers (TrCH IDs), and a-the radio access bearer (RAB) identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

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37. (Currently Amended) The network of claim 33~~32~~, further comprising:
the first radio network controller transmitting over an Iur interface, prior to the relocation procedure, information for linking uplink and downlink transport channel identifiers (TrCH IDs) and a dedicated transport channel identifier (DCH ID);
the first radio network controller signaling, during the relocation procedure, information for linking the uplink and downlink transport channel identifiers (TrCH IDs) with ~~a~~the radio access bearer (RAB) identifier.

38. (Currently Amended) The network of claim 37, wherein the first radio network controller links the uplink and downlink transport channel identifiers (TrCH IDs) with a radio access bearer (RAB) identifier by including the uplink and downlink transport channel identifiers (TrCH IDs) and the ~~a~~the radio access bearer (RAB) identifier in both ~~a~~the RELOCATION REQUIRED MESSAGE and ~~a~~the RELOCATION REQUEST MESSAGE.

39. (Currently Amended) The network of claim 33~~32~~, further comprising:
the first radio network controller transmitting over an Iur interface, prior to the relocation procedure, the Iur interface the uplink and downlink transport channel identifiers (TrCH IDs) which identify the dedicated transport channel identifier (DCH ID);
the first radio network controller signaling, during the relocation procedure, information for linking the uplink and downlink transport channel identifiers (TrCH IDs) with ~~a~~the radio access bearer (RAB) identifier.

40. (Currently Amended) The network of claim 39, wherein the first radio network controller links the uplink and downlink transport channel identifiers (TrCH IDs) with ~~a~~the radio access bearer (RAB) identifier by including the uplink and downlink transport channel identifiers (TrCH IDs) and the ~~a~~the radio access bearer (RAB)

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identifier in both a-the RELOCATION REQUIRED MESSAGE and a-the RELOCATION REQUEST MESSAGE.

41. (Currently Amended) The method of claim 1, A method of performing, for a telecommunications service, relocation of a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), the method comprising:

the first radio network controller, for the service for which the relocation occurs, signaling to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service,

wherein the transport channel has a channel identifier which is utilized on one of an Iub interface and a radio interface, the Iub interface being an interface between a radio network controller node and a base station node.

42. (PREVIOUSLY PRESENTED) The method of claim 41, wherein the transport channel has a dedicated transport channel (DCH) identifier which is utilized on the Iub interface.

43. (Currently Amended) The method of claim 41, wherein the transport channel has uplink and downlink transport channel identifiers (TrCH IDs) which are utilized on the radio interface interface.

44. (Currently Amended) The network of claim 12, A radio access network which performs a serving radio network controller (SRNC) relocation procedure for a telecommunications service involving a user equipment unit (UE), the serving radio network controller (SRNC) relocation procedure functioning to relocate a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), wherein in accordance with the serving radio

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network controller (SRNC) relocation procedure the first radio network controller signals to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service, wherein the transport channel has a channel identifier which is utilized on one of an Iub interface and a radio interface, the Iub interface being an interface between a radio network controller node and a base station node.

45. (PREVIOUSLY PRESENTED) The network of claim 44, wherein the transport channel has a dedicated transport channel (DCH) identifier which is utilized on the Iub interface.

46. (PREVIOUSLY PRESENTED) The network of claim 44, wherein the transport channel has uplink and downlink transport channel identifiers (TrCH IDs) which are utilized on the radio interface interface.

Please add new claims 47 - 52 as follows:

47. (New) A method of performing, for a telecommunications service, relocation of a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), the method comprising:

the first radio network controller, for the service for which the relocation occurs, signaling to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service,

wherein the transport channel has a channel identifier which is utilized on one of an Iur interface and a radio interface, the Iur interface being an interface between the first radio network controller (RNC) and the second radio network controller (RNC).

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48. (New) The method of claim 47, wherein the transport channel has a dedicated transport channel (DCH) identifier which is utilized on the Iur interface.

49. (New) The method of claim 47, wherein the transport channel has uplink and downlink transport channel identifiers (TrCH IDs) which are utilized on the radio interface.

50. (New) A radio access network which performs a serving radio network controller (SRNC) relocation procedure for a telecommunications service involving a user equipment unit (UE), the serving radio network controller (SRNC) relocation procedure functioning to relocate a role of a serving radio network controller (SRNC) from a first radio network controller (RNC) to a second radio network controller (RNC), wherein in accordance with the serving radio network controller (SRNC) relocation procedure the first radio network controller signals to the second radio network controller information for linking a transport channel utilized for the service with a radio access bearer (RAB) for the service, wherein the transport channel has a channel identifier which is utilized on one of an Iur interface and a radio interface, the Iub interface being an interface between the first radio network controller (RNC) and the second radio network controller (RNC).

51. (New) The network of claim 50, wherein the transport channel has a dedicated transport channel (DCH) identifier which is utilized on the Iur interface.

52. (New) The network of claim 50, wherein the transport channel has uplink and downlink transport channel identifiers (TrCH IDs) which are utilized on the radio interface.